## **Amendments to the Claims**

The Claim Listing below will replace all prior versions of the claims in the application:

## **Claim Listing**

1. (Original) A method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster;
associating a message list to the client on the master node;
performing tasks for the client on a plurality of nodes of the cluster;
detecting an event while performing one of the tasks;
storing a message on the message list descriptive of the detected event; and
communicating the message to the client.

- 2. (Original) The method of Claim 1 wherein the event is detected on a node different from the master node.
- 3. (Original) The method of Claim 1 further comprising, on the master node, establishing an object unique to the client for interfacing with the client.
- 4. (Original) The method of Claim 3 wherein the object is accessible across the cluster.
- 5. (Original) The method of Claim 1 wherein communicating comprises formatting a message code into a message string.
- 6. (Original) The method of Claim 1 wherein storing comprises formatting a message code into a message string.

- 7. (Original) The method of Claim 1 further comprising structuring the message list as a stack.
- 8. (Original) The method of Claim 1 further comprising failing over the master node to another node on the cluster in response to a failover event on the master node.
- 9. (Original) The method of Claim 1 wherein the event is an error event.
- 10. (Original) The method of Claim 1 wherein the event is a dialogue event.
- 11. (Previously Presented) A method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster; creating a distributed object on the master node to interface with the client; associating a client manager having a message list with the client on the master

performing tasks for the client on a plurality of nodes of the cluster; detecting an event while performing one of the tasks; storing a message on the message list descriptive of the detected event; and communicating the message to the client through the distributed object.

- 12. (Original) The method of Claim 11 further comprising, in the client manager, tracking a plurality of contexts for the client, each context having a respective message list.
- 13. (Original) The method of Claim 11 wherein the event is detected on a node different from the master node.

node;

- 14. (Original) The method of Claim 11 wherein communicating comprises formatting a message code into a message string.
- 15. (Original) The method of Claim 11 wherein storing comprises formatting a message code into a message string.
- 16. (Original) The method of Claim 11 further comprising structuring the message list as a stack.
- 17. (Original) The method of Claim 11 further comprising failing over the master node to another node on the cluster in response to a failover event on the master node.
- 18. (Original) The method of Claim 11 wherein the event is an error event.
- 19. (Original) The method of Claim 11 wherein the event is a dialogue event.
- 20. (Original) A system for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the system comprising:
  - a master node of the cluster connected to a client;
  - a message list associated with the client on the master node;
  - a plurality of tasks executing for the client on a plurality of nodes of the cluster;
  - an event detected while performing one of the tasks;
  - a message stored on the message list descriptive of the detected event; and an interface for communicating the message to the client.
- 21. (Original) The system of Claim 20 wherein the event is detected on a node different from the master node.

- 22. (Original) The system of Claim 20 further comprising, on the master node, an object unique to the client for interfacing with the client.
- 23. (Original) The system of Claim 22 wherein the object is accessible across the cluster.
- 24. (Original) The system of Claim 20 wherein a message code is formatted into a message string for communication to the client.
- 25. (Original) The system of Claim 20 wherein a message code is formatted into a message string for storage on the message list.
- 26. (Original) The system of Claim 20 wherein the message list is structured as a stack.
- 27. (Original) The system of Claim 20 further comprising a fail safe module for failing over the master node to another node on the cluster in response to a failover event on the master node.
- 28. (Original) The system of Claim 20 wherein the event is an error event.
- 29. (Original) The system of Claim 20 wherein the event is a dialogue event.
- 30. (Previously Presented) A system for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the system comprising:
  - a master node of the cluster connected to a client;
  - a distributed object on the master node to interface with the client;
  - a client manager having a message list associated with the client on the master node;

a plurality of tasks for the client executing on a plurality of nodes of the cluster; an event detected while performing one of the tasks; a message stored on the message list descriptive of the detected event; and an interface for communicating the message to the client through the distributed object.

- 31. (Original) The system of Claim 30 further comprising a plurality of contexts for the client, each context having a respective message list and tracked by the client manager.
- 32. (Original) The system of Claim 30 wherein the event is detected on a node different from the master node.
- 33. (Original) The system of Claim 30 wherein a message code is formatted into a message string for communication to the client.
- 34. (Original) The system of Claim 30 wherein a message code is formatted into a message string for storage on the message list.
- 35. (Original) The system of Claim 30 wherein the message list is structured as a stack.
- 36. (Original) The system of Claim 30 further comprising a fail over module for failing over the master node to another node on the cluster in response to a failover event on the master node.
- 37. (Original) The system of Claim 30 wherein the event is an error event.
- 38. (Original) The system of Claim 30 wherein the event is a dialogue event.

39. (Original) An article of manufacture, comprising

a computer usable medium;

a set of program instructions recorded on the medium, including a method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster;
associating a message list to the client on the master node;
performing tasks for the client on a plurality of nodes of the cluster;
detecting an event while performing one of the tasks;
storing a message on the message list descriptive of the detected event;

and

communicating the message to the client.

- 40. (Original) The article of Claim 39 wherein the event is detected on a node different from the master node.
- 41. (Original) The article of Claim 39 wherein the method further comprises, on the master node, establishing an object unique to the client for interfacing with the client.
- 42. (Original) The article of Claim 41 wherein the object is accessible across the cluster.
- 43. (Original) The article of Claim 39 wherein communicating comprises formatting a message code into a message string.
- 44. (Original) The article of Claim 39 wherein storing comprises formatting a message code into a message string.

- 45. (Original) The article of Claim 39 wherein the method further comprises structuring the message list as a stack.
- 46. (Original) The article of Claim 39 wherein the method further comprises failing over the master node to another node on the cluster in response to a failover event on the master node.
- 47. (Original) The article of Claim 39 wherein the event is an error event.
- 48. (Original) The article of Claim 39 wherein the event is a dialogue event.
- 49. (Previously Presented) An article of manufacture, comprising:
  - a computer usable medium;

a set of program instructions recorded on the medium, including a method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster;
creating a distributed object on the master node to interface with the client;
associating a client manager having a message list with the client on the
master node;

performing tasks for the client on a plurality of nodes of the cluster; detecting an event while performing one of the tasks; storing a message on the message list descriptive of the detected event;

communicating the message to the client through the distributed object.

and

- Original) The article of Claim 49 wherein the method further comprises, in the client manager, tracking a plurality of contexts for the client, each context having a respective message list.
- Original) The article of Claim 49 wherein the event is detected on a node different from the master node.
- 52. (Original) The article of Claim 49 wherein communicating comprises formatting a message code into a message string.
- 53. (Original) The article of Claim 49 wherein storing comprises formatting a message code into a message string.
- Original) The article of Claim 49 wherein the method further comprises structuring the message list as a stack.
- Original) The article of Claim 49 wherein the method further comprises failing over the master node to another node on the cluster in response to a failover event on the master node.
- 56. (Original) The article of Claim 49 wherein the event is an error event.
- 57. (Original) The article of Claim 49 wherein the event is a dialogue event.
- 58. (Previously Presented) A system for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the system comprising:

means for connecting a client to a master node of the cluster;

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means for associating a message list to the client on the master node;
means for performing tasks for the client on a plurality of nodes of the cluster;
means for detecting an event while performing one of the tasks;
means for storing a message on the message list descriptive of the detected event;

and

means for communicating the message to the client.

59. (Previously Presented) A method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster;

creating a distributed object on the master node to interface with the client;

associating a client manager having a message list with the client on the master

node, wherein the message list is structured as a stack;

in the client manager, tracking a plurality of contexts for the client, each context having a respective message list;

performing tasks for the client on a plurality of nodes of the cluster; detecting an event while performing one of the tasks; storing a message on the message list descriptive of the detected event; and communicating the message to the client through the distributed object.

- 60. (Previously Presented) The method of Claim 59 wherein the distributed object is a synchronous call interface.
- 61. (Previously Presented) The method of Claim 60 wherein the synchronous call interface does not require network semantics.

62. (Previously Presented) A system for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the system comprising:

a master node of the cluster connected to a client;

a distributed object on the master node to interface with the client;

a client manager having a message list associated with the client on the master node, wherein the message list is structured as a stack;

in the client manager, a plurality of contexts for the client, each context having a respective message list;

a plurality of tasks for the client executing on a plurality of nodes of the cluster; an event detected while performing one of the tasks;

a message stored on the message list descriptive of the detected event; and an interface for communicating the message to the client through the distributed object.

- 63. (Previously Presented) The system of Claim 62 wherein the distributed object is a synchronous call interface.
- 64. (Previously Presented) The system of Claim 63 wherein the synchronous call interface does not require network semantics.
- 65. (Previously Presented) An article of manufacture, comprising:

a computer usable medium;

a set of program instructions recorded on the medium including a method for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

connecting a client to a master node of the cluster; creating a distributed object on the master node to interface with the client;

associating a client manager having a message list with the client on the master node, wherein the message list is structured as a stack;

in the client manager, tracking a plurality of contexts for the client, each context having a respective message list;

performing tasks for the client on a plurality of nodes of the cluster; detecting an event while performing one of the tasks;

storing a message on the message list descriptive of the detected event;

and

communicating the message to the client through the distributed object.

- 66. (Previously Presented) The article of Claim 59 wherein the distributed object is a synchronous call interface.
- 67. (Previously Presented) The article of Claim 60 wherein the synchronous call interface does not require network semantics.
- 68. (Previously Presented) A system for interacting with a client in a distributed computing environment having a plurality of computing nodes interconnected to form a cluster, the method comprising:

means for connecting a client to a master node of the cluster;

means for creating a distributed object on the master node to interface with the client;

means for associating a client manager having a message list with the client on the master node, wherein the message list is structured as a stack;

in the client manager, means for tracking a plurality of contexts for the client, each context having a respective message list;

means for performing tasks for the client on a plurality of nodes of the cluster; means for detecting an event while performing one of the tasks; and

means for storing a message on the message list descriptive of the detected event;

means for communicating the message to the client through the distributed object.